

Agenda

Development of Cool Colored Roofing Materials

Project Advisory Committee Meeting

9:00 am to 12:30 pm (PST)

Thursday, March 3, 2005

Custom-Bilt Metals

13940 Magnolia Ave.

Chino, CA 91710

Conference Calling: 1-800-537-9776; Pin number 2241357

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I. Introduction (9:00-9:20)

- A. Introduction (CEC Project Manager: Chris Scruton/Nancy Jenkins)
- B. Opening remarks and the objectives of the PAC meetings (CEC Project Manager: Chris Scruton/Nancy Jenkins)
- C. Introduction of the ORNL and LBNL project staff (Hashem Akbari)
- D. Project Objectives and Organization (Akbari)

II. Project Updates and Technical Tasks: Review and Discussions (9:20-11:50)

Questions to the PAC: How shall we continue? How can we deploy results and products?

- A. Task 2.4: Development of cool colored coatings (Akbari/Berdahl/Levinson) (9:20-9:35)
 - 1. Identify and Characterize Pigments with High Solar Reflectance (1 min)
 - 2. Develop Software for Optimal Design of Cool Coatings (5 min)
 - 3. Cool Colored Material Database (9 min)
- B. Task 2.5: Development of prototype cool-colored roofing materials (Akbari et al.) (9:35-11:20)
 - 1. Updates on Review of Roofing Materials Manufacturing Methods (1 min)
 - 2. Design Innovative Methods for Application of Cool Coatings to Roofing Materials (5 min)
 - 3. Presentations by industrial partners (90 min)
 - a. 3M
 - b. Elk Corporation
 - c. ISP Minerals
 - d. Ferro
 - e. Shepherd Color
 - f. Steelscape/BASF/Custom-Bilt
 - g. American Rooftile Coatings
 - h. *Others*
 - 4. Accelerated Weathering Testing (9 min)
- C. Task 2.6: Field-testing and product useful life testing (Miller/Desjarlais/Berdahl) (11:20-11:45)
 - 1. Building Energy-Use Measurements at California Demonstration Sites (8 min)
 - 2. Materials Testing at Weathering Farms in California (5 min)

3. Steep-slope Assembly Testing at ORNL (5 min)
 4. Product Useful Life Testing (7 min)
- D. Technology transfer and market plan (Akbari) (11:45-11:50)

III. Discussion of Key issues, and Comments from PAC members (11:50-12:20)

Questions to the PAC: How can we successfully market cool roofing products? Is what we have done so far useful? Is what we are planning to do useful? Is there something else we can do to improve our performance?

IV. This is the last PAC meeting under the current phase of the project; concluding remarks (12:20-12:30)

V. Adjourn (12:30)

VI. Working Lunch, discussions (12:30 – 1:30 pm)

VII. Visit to Custom-Bilt Metals facilities (1:30 – 3:00 pm) (Optional)